

Anti-Ubiquitin D Antibody (7G418)

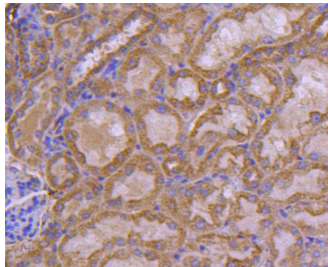
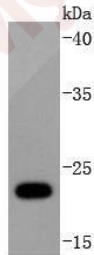
Product Details

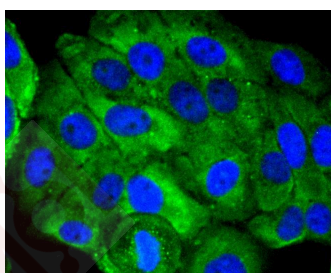
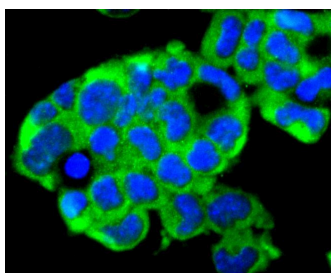
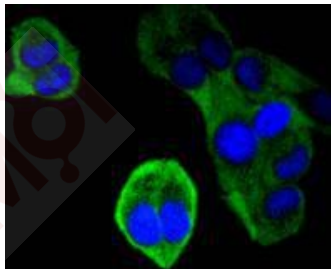
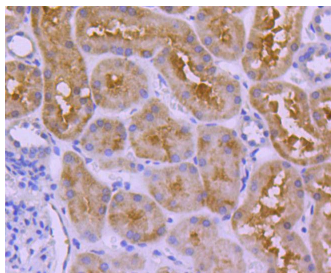
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 18 kDa.
Clone:	7G418
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Ubiquitin D on HeLa cells lysates using anti-Ubiquitin D antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Ubiquitin D antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Ubiquitin D antibody. Counter stained with hematoxylin.
4. ICC staining Ubiquitin D in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining Ubiquitin D in F9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining Ubiquitin D in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC,IHC,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: O15205

Synonyms: Diubiquitin;Ubiquitin like protein FAT10;UBD_HUMAN;Ubd;UBD 3;UbiquitinD;Ubiquitin-like protein FAT10;FAT10;GABBR1

Research Background

FAT10, also designated Ubiquitin D or Diubiquitin, is a 165 amino acid protein encoded in the major histocompatibility complex (MHC) that consists of two domains which share significant homology with ubiquitin. Each domain contains two cysteines, along with a free C-terminal diglycine motif required for FAT10 conjugate formation. FAT10 is inducible by interferon-g and tumor necrosis factor a (TNF?). The FAT10 protein interacts with

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MAD2, a component of the spindle checkpoint, and plays a role in antigen presentation, cytokine response, apoptosis and mitosis. It may also regulate cell growth during dendritic cell or B cell activation and development. FAT10 mRNA is expressed mainly in some dendritic cells and lymphoblastoid lines and in other specific cells subsequent to interferon-g induction. The human FAT10 gene, designated UBD, maps to chromosome 6p21.3 and is overexpressed in the tumors of various epithelial cancers.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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